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=> s phosphotransferase (5a)sucrose
L1 369 PHOSPHOTRANSFERASE (5A) SUCROSE

=> s l1 (5a) ii
L2 84 L1 (5A) II

=> dup rem l2
PROCESSING COMPLETED FOR L2
L3 25 DUP REM L2 (59 DUPLICATES REMOVED)

=> d 1-10

L3 ANSWER 1 OF 25 HCAPLUS COPYRIGHT 2004 ACS on STN
AN 2002:150559 HCAPLUS
DN 137:74261
TI Physical and genetic map of the Lactobacillus sakei 23K chromosome
AU Dudez, Anne-Marie; Chaillou, Stephane; Hissler, Lionel; Stentz, Regis;
Champomier-Verges, Marie-Christine; Alpert, Carl-Alfred; Zagorec, Monique
CS Unite Flore Lactique et Environnement Carne, INRA, Jouy-en-Josas, F-78350,
Fr.
SO Microbiology (Reading, United Kingdom) (2002), 148(2), 421-431
CODEN: MROBEO; ISSN: 1350-0872
PB Society for General Microbiology
DT Journal
LA English
RE.CNT 37 THERE ARE 37 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L3 ANSWER 2 OF 25 HCAPLUS COPYRIGHT 2004 ACS on STN
AN 2001:31660 HCAPLUS
DN 134:96288
TI Brevibacterium lactofermentum gene ptsIIsuc, encoding enzyme ***II***
of the ***sucrose*** phosphoenolpyruvate-dependent
phosphotransferase system
IN Izui, Masako; Sugimoto, Masakazu; Nakamatsu, Tsuyoshi; Kurahashi, Osamu
PA Ajinomoto Co., Inc., Japan
SO PCT Int. Appl., 45 pp.
CODEN: PIXXD2
DT Patent
LA Japanese
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2001002584	A1	20010111	WO 2000-JP4348	20000630
W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
RW:	GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY,				

DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ,
CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG
EP 1197555 A1 20020417 EP 2000-940903 20000630
R: BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE,
SI, LT, LV, FI, RO
BR 2000012020 A 20020702 BR 2000-12020 20000630
PRAI JP 1999-189512 A 19990702
WO 2000-JP4348 W 20000630
RE.CNT 15 THERE ARE 15 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L3 ANSWER 3 OF 25 HCAPLUS COPYRIGHT 2004 ACS on STN
AN 2000:226784 HCAPLUS
DN 133:145740
TI Analysis of a catabolic operon for sucrose transport and metabolism in
Clostridium acetobutylicum ATCC 824
AU Tangney, Martin; Mitchell, Wilfrid J.
CS Department of Biological Sciences, Heriot-Watt University, Edinburgh, EH14
4AS, UK
SO Journal of Molecular Microbiology and Biotechnology (2000), 2(1), 71-80
CODEN: JMMBFF; ISSN: 1464-1801
PB Horizon Scientific Press
DT Journal
LA English
RE.CNT 43 THERE ARE 43 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L3 ANSWER 4 OF 25 HCAPLUS COPYRIGHT 2004 ACS on STN
AN 1998:514904 HCAPLUS
DN 129:226538
TI Regulation of sucrose-6-phosphate hydrolase activity in Streptococcus
mutans: characterization of the scrR gene
AU Hiratsuka, Koichi; Wang, Bing; Sato, Yutaka; Kuramitsu, Howard
CS Department of Oral Biology, State University of New York, Buffalo, NY,
14214, USA
SO Infection and Immunity (1998), 66(8), 3736-3743
CODEN: INFIBR; ISSN: 0019-9567
PB American Society for Microbiology
DT Journal
LA English
RE.CNT 39 THERE ARE 39 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L3 ANSWER 5 OF 25 HCAPLUS COPYRIGHT 2004 ACS on STN
AN 1997:504765 HCAPLUS
DN 127:215761
TI Gene organization and regulatory sequences in the sucrose utilization
cluster of Bacillus stearothermophilus NUB36
AU Li, Yang; Ferenci, Thomas
CS Department of Microbiology G08, University of Sydney, Sydney, Australia
SO Gene (1997), 195(2), 195-200
CODEN: GENED6; ISSN: 0378-1119
PB Elsevier
DT Journal
LA English
RE.CNT 19 THERE ARE 19 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L3 ANSWER 6 OF 25 MEDLINE on STN DUPLICATE 1
AN 96134980 MEDLINE
DN PubMed ID: 8550467
TI Transcriptional regulation of the sucrase gene of Staphylococcus xylosus
by the repressor ScrR.
AU Gering M; Bruckner R
CS Mikrobielle Genetik, Universitat Tübingen, Germany.
SO Journal of bacteriology, (1996 Jan) 178 (2) 462-9.
Journal code: 2985120R. ISSN: 0021-9193.
CY United States
DT Journal; Article; (JOURNAL ARTICLE)
LA English
FS Priority Journals
OS GENBANK-X67744
EM 199602
ED Entered STN: 19960306
Last Updated on STN: 20021218
Entered Medline: 19960220

L3 ANSWER 7 OF 25 MEDLINE on STN DUPLICATE 2
 AN 96188840 MEDLINE
 DN PubMed ID: 8628219
 TI Molecular analysis of the scrA and scrB genes from *Klebsiella pneumoniae* and plasmid pUR400, which encode the sucrose transport protein Enzyme ***II*** Scr of the ***phosphotransferase*** system and a ***sucrose*** -6-phosphate invertase.
 AU Titgemeyer F; Jahreis K; Ebner R; Lengeler J W
 CS University of Groningen, Department of Biochemistry, The Netherlands.
 SO Molecular & general genetics : MGG, (1996 Feb 5) 250 (2) 197-206.
 Journal code: 0125036. ISSN: 0026-8925.
 CY GERMANY: Germany, Federal Republic of
 DT Journal; Article; (JOURNAL ARTICLE)
 LA English
 FS Priority Journals
 OS GENBANK-L06761; GENBANK-M22711; GENBANK-M33761; GENBANK-M76768; GENBANK-X57401; GENBANK-X67750; GENBANK-X69800
 EM 199606
 ED Entered STN: 19960708
 Last Updated on STN: 19980206
 Entered Medline: 19960621

L3 ANSWER 8 OF 25 MEDLINE on STN DUPLICATE 3
 AN 95379486 MEDLINE
 DN PubMed ID: 7651129
 TI Cleavage of trehalose-phosphate in *Bacillus subtilis* is catalysed by a phospho-alpha-(1-1)-glucosidase encoded by the treA gene.
 AU Helfert C; Gotsche S; Dahl M K
 CS Lehrstuhl für Mikrobiologie, Friedrich-Alexander Universität
 Erlangen-Nürnberg, Germany.
 SO Molecular microbiology, (1995 Apr) 16 (1) 111-120.
 Journal code: 8712028. ISSN: 0950-382X.
 CY ENGLAND: United Kingdom
 DT Journal; Article; (JOURNAL ARTICLE)
 LA English
 FS Priority Journals
 OS GENBANK-X80203; GENBANK-Z54245
 EM 199509
 ED Entered STN: 19951005
 Last Updated on STN: 19951005
 Entered Medline: 19950925

L3 ANSWER 9 OF 25 MEDLINE on STN DUPLICATE 4
 AN 95110285 MEDLINE
 DN PubMed ID: 7811229
 TI Identification and characterization of a sperm peptide antigen recognized by a monoclonal antisperm autoantibody derived from a vasectomized mouse.
 AU Nakamura S; Tsuji Y; Nakata Y; Komori S; Koyama K
 CS Department of Obstetrics and Gynecology, Hyogo College of Medicine, Nishinomiya, Japan.
 SO Biochemical and biophysical research communications, (1994 Dec 30) 205 (3) 1503-9.
 Journal code: 0372516. ISSN: 0006-291X.
 CY United States
 DT Journal; Article; (JOURNAL ARTICLE)
 LA English
 FS Priority Journals
 OS GENBANK-S74697
 EM 199502
 ED Entered STN: 19950215
 Last Updated on STN: 19960129
 Entered Medline: 19950202

L3 ANSWER 10 OF 25 MEDLINE on STN DUPLICATE 5
 AN 93273516 MEDLINE
 DN PubMed ID: 8500898
 TI Sequence analysis of scrA and scrB from *Streptococcus sobrinus* 6715.
 AU Chen Y Y; Lee L N; LeBlanc D J
 CS Department of Microbiology, University of Texas Health Science Center at San Antonio 78284-7758.
 NC DE08915 (NIDCR)
 SO Infection and immunity, (1993 Jun) 61 (6) 2602-10.
 Journal code: 0246127. ISSN: 0019-9567.
 CY United States
 DT Journal; Article; (JOURNAL ARTICLE)

LA English
FS Priority Journals
OS GENBANK-L06791; GENBANK-L06792
EM 199306
ED Entered STN: 19930716
Last Updated on STN: 20000303
Entered Medline: 19930628

=> d 11-20

L3 ANSWER 11 OF 25 HCAPLUS COPYRIGHT 2004 ACS on STN
AN 1994:70525 HCAPLUS
DN 120:70525
TI Bacillus subtilis genome project: Cloning and sequencing of the 97 kb region from 325.degree. to 333.degree.
AU Glaser, P.; Kunst, F.; Arnaud, M.; Coudart, M. P.; Gonzales, W.; Hullo, M. F.; Ionescu, M.; Lubochinsky, B.; Marcelino, L.; et al.
CS Unite de Regul. Express. Genet., Inst. Pasteur, Paris, 75724, Fr.
SO Molecular Microbiology (1993), 10(2), 371-84
CODEN: MOMIEE; ISSN: 0950-382X
DT Journal
LA English

L3 ANSWER 12 OF 25 HCAPLUS COPYRIGHT 2004 ACS on STN
AN 1993:464645 HCAPLUS
DN 119:64645
TI Chromosome organization of Streptococcus mutans GS-5
AU Hantman, Michael J.; Sun, Shuzhong; Piggot, Patrick J.; Daneo-Moore, Lolita
CS Sch. Med., Temple Univ., Philadelphia, PA, 19140, USA
SO Journal of General Microbiology (1993), 139(1), 67-77
CODEN: JGMIAN; ISSN: 0022-1287
DT Journal
LA English

L3 ANSWER 13 OF 25 BIOSIS COPYRIGHT (c) 2004 The Thomson Corporation. on STN
AN 1993:387574 BIOSIS
DN PREV199396062874
TI Heterogeneity of hepatitis B virus C-gene sequences: Implications for amplification and sequencing.
AU Miska, Stefan; Guenther, Stephan; Vassilev, Milen; Meisel, Helga; Pape, Gerd; Will, Hans [Reprint author]
CS Heinrich-Pette Institut fuer Experimentelle Virologie und Immunologie an der Universitaet Hamburg, Martinistrasse 52, D-2000 Hamburg-20, Germany
SO Journal of Hepatology, (1993) Vol. 18, No. 1, pp. 53-61.
CODEN: JOHEEC. ISSN: 0168-8278.
DT Article
LA English
OS Genbank-L06791; Genbank-L06792
ED Entered STN: 23 Aug 1993
Last Updated on STN: 23 Aug 1993

L3 ANSWER 14 OF 25 MEDLINE on STN DUPLICATE 6
AN 94049686 MEDLINE
DN PubMed ID: 8232209
TI Cloning and characterization of the scrA gene encoding the ***sucrose***-specific Enzyme ***II*** of the ***phosphotransferase*** system from Staphylococcus xylosus.
AU Wagner E; Gotz F; Bruckner R
CS Mikrobielle Genetik, Universitat Tübingen, Germany.
SO Molecular & general genetics : MGG, (1993 Oct) 241 (1-2) 33-41.
Journal code: 0125036. ISSN: 0026-8925.
CY GERMANY: Germany, Federal Republic of
DT Journal; Article; (JOURNAL ARTICLE)
LA English
FS Priority Journals
OS GENBANK-X69800
EM 199312
ED Entered STN: 19940117
Last updated on STN: 19940117
Entered Medline: 19931215

L3 ANSWER 15 OF 25 MEDLINE on STN DUPLICATE 7
AN 92363573 MEDLINE

DN PubMed ID: 1500184
TI Genetic analysis of scrA and scrB from Streptococcus sobrinus 6715.
AU Chen Y Y; LeBlanc D J
CS Department of Microbiology, University of Texas Health Science Center, San Antonio 78284-7758.
NC DE08915 (NIDCR)
SO Infection and immunity, (1992 sep) 60 (9) 3739-46.
Journal code: 0246127. ISSN: 0019-9567.
CY United States
DT Journal; Article; (JOURNAL ARTICLE)
LA English
FS Priority Journals
EM 199209
ED Entered STN: 19920925
Last Updated on STN: 20000303
Entered Medline: 19920917

L3 ANSWER 16 OF 25 MEDLINE on STN DUPLICATE 8
AN 93051362 MEDLINE
DN PubMed ID: 1330831
TI Transcriptional regulation of the Tn5276-located Lactococcus lactis sucrose operon and characterization of the sacA gene encoding sucrose-6-phosphate hydrolase.
AU Rauch P J; de Vos W M
CS Department of Biophysical Chemistry, Netherlands Institute for Dairy Research (NIZO), Ede.
SO Gene, (1992 Nov 2) 121 (1) 55-61.
Journal code: 7706761. ISSN: 0378-1119.
CY Netherlands
DT Journal; Article; (JOURNAL ARTICLE)
LA English
FS Priority Journals
OS GENBANK-M79310; GENBANK-M81114; GENBANK-M81115; GENBANK-M81116; GENBANK-M81117; GENBANK-M81118; GENBANK-M95864; GENBANK-M96669; GENBANK-X65112; GENBANK-X65113
EM 199212
ED Entered STN: 19930122
Last Updated on STN: 19990129
Entered Medline: 19921211

L3 ANSWER 17 OF 25 EMBASE COPYRIGHT 2004 ELSEVIER INC. ALL RIGHTS RESERVED. on STN DUPLICATE 9
AN 92075487 EMBASE
DN 1992075487
TI Transposon-encoded sucrose metabolism in Lactococcus lactis. Purification of sucrose-6-phosphate hydrolase and genetic linkage to N5-(L-1-carboxyethyl)-L-ornithine synthase in strain K1.
AU Thompson J.; Nguyen N.Y.; Sackett D.L.; Donkersloot J.A.
CS Lab. of Microbial Ecology, Natl. Ins. of Dental Research, National Institutes of Health, Bldg. 30, Bethesda, MD 20892, United States
SO Journal of Biological Chemistry, (1991) 266/22 (14573-14579).
ISSN: 0021-9258 CODEN: JBCHA3
CY United States
DT Journal; Article
FS 004 Microbiology
LA English
SL English

L3 ANSWER 18 OF 25 SCISEARCH COPYRIGHT (c) 2004 The Thomson Corporation. on STN
AN 91:433374 SCISEARCH
GA The Genuine Article (R) Number: FZ351
TI TRANSPOSON-ENCODED SUCROSE METABOLISM IN LACTOCOCCUS-LACTIS - PURIFICATION OF SUCROSE-6-PHOSPHATE HYDROLASE AND GENETIC-LINKAGE TO N5-(L-1-CARBOXYETHYL)-L-ORNITHINE SYNTHASE IN STRAIN K1
AU THOMPSON J (Reprint); NGUYEN N Y; SACKETT D L; DONKERSLOOT J A
CS NIDR, MICROBIAL ECOL LAB, BLDG 30, RM 528, BETHESDA, MD, 20892 (Reprint); NIDDKD, BETHESDA, MD, 20892; US FDA, CTR BIOL EVALUAT & RES, DIV CYTOKINE BIOL, BETHESDA, MD, 20892
CYA USA
SO JOURNAL OF BIOLOGICAL CHEMISTRY, (1991) Vol. 266, No. 22, pp. 14573-14579.
DT Article; Journal
FS LIFE
LA ENGLISH
REC Reference Count: 50
ABSTRACT IS AVAILABLE IN THE ALL AND IALL FORMATS

L3 ANSWER 19 OF 25 HCAPLUS COPYRIGHT 2004 ACS on STN
 AN 1991:423290 HCAPLUS
 DN 115:23290
 TI Repeated DNA sequence involved in mutations affecting transport of sucrose into Streptococcus mutans V403 via the phosphoenolpyruvate phosphotransferase system
 AU Macrina, Francis L.; Jones, Kevin R.; Alpert, Carl Alfred; Chassy, Bruce M.; Michalek, Suzanne M.
 CS Dep. Microbiol. Immunol., Virginia Commonw. Univ., Richmond, VA, 23298-0678, USA
 SO Infection and Immunity (1991), 59(4), 1535-43
 CODEN: INFIBR; ISSN: 0019-9567
 DT Journal
 LA English

L3 ANSWER 20 OF 25 HCAPLUS COPYRIGHT 2004 ACS on STN
 AN 1989:588414 HCAPLUS
 DN 111:188414
 TI Characterization and sequence analysis of the scrA gene encoding enzyme IIScr of the Streptococcus mutans phosphoenolpyruvate-dependent sucrose phosphotransferase system
 AU Sato, Yutaka; Poy, Florence; Jacobson, Gary R.; Kuramitsu, Howard K.
 CS Med.-Dent. Sch., Northwestern Univ., Chicago, IL, 60611, USA
 SO Journal of Bacteriology (1989), 171(1), 263-71
 CODEN: JOBAAY; ISSN: 0021-9193
 DT Journal
 LA English

=> d 21-25

L3 ANSWER 21 OF 25 BIOSIS COPYRIGHT (c) 2004 The Thomson Corporation. on STN
 AN 1988:247803 BIOSIS
 DN PREV198885126205; BA85:126205
 TI MECHANISMS OF SUGAR TRANSPORT IN THE RUMEN BACTERIUM SELENOMONAS-RUMINANTIIUM.
 AU MARTIN S A [Reprint author]; RUSSELL J B
 CS ANIM DIARY SCI DEP, LIVESTOCK-POULTRY BUILD, UNIV GA, ATHENS, GA 30602, USA
 SO Journal of General Microbiology, (1988) Vol. 134, No. 3, pp. 819-828.
 CODEN: JGMIAN. ISSN: 0022-1287.
 DT Article
 FS BA
 LA ENGLISH
 ED Entered STN: 16 May 1988
 Last Updated on STN: 16 May 1988

L3 ANSWER 22 OF 25 MEDLINE on STN DUPLICATE 10
 AN 88097369 MEDLINE
 DN PubMed ID: 3122206
 TI Bacillus subtilis ***sucrose*** -specific enzyme ***II*** of the ***phosphotransferase*** system: expression in Escherichia coli and homology to enzymes II from enteric bacteria.
 AU Fouet A; Arnaud M; Klier A; Rapoport G
 CS Unite de Biochimie Microbienne, Departement des Biotechnologies, Institut Pasteur, Paris, France.
 SO Proceedings of the National Academy of Sciences of the United States of America, (1987 Dec) 84 (24) 8773-7.
 Journal code: 7505876. ISSN: 0027-8424.
 CY United States
 DT Journal; Article; (JOURNAL ARTICLE)
 LA English
 FS Priority Journals
 OS GENBANK-J03006
 EM 198802
 ED Entered STN: 19900305
 Last Updated on STN: 19900305
 Entered Medline: 19880220

L3 ANSWER 23 OF 25 SCISEARCH COPYRIGHT (c) 2004 The Thomson Corporation. on STN
 AN 88:42988 SCISEARCH
 GA The Genuine Article (R) Number: L7601
 TI BACILLUS-SUBTILIS ***SUCROSE*** -SPECIFIC ENZYME- ***II*** OF THE

PHOSPHOTRANSFERASE SYSTEM - EXPRESSION IN ESCHERICHIA-COLI AND
 HOMOLOGY TO ENZYMES-II FROM ENTERIC BACTERIA
 AU FOUET A (Reprint); ARNAUD M; KLIER A; RAPOPORT G
 CS INST PASTEUR, DEPT BIOTECHNOL, UNITE BIOCHIM MICROBIENNE, 25 RUE DR ROUX,
 F-75724 PARIS 15, FRANCE (Reprint)
 CYA FRANCE
 SO PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF THE UNITED STATES OF
 AMERICA, (1987) Vol. 84, No. 24, pp. 8773-8777.
 DT Article; Journal
 FS LIFE
 LA ENGLISH
 REC Reference Count: 32

L3 ANSWER 24 OF 25 HCAPLUS COPYRIGHT 2004 ACS on STN
 AN 1988:129649 HCAPLUS
 DN 108:129649
 TI Biochemical heterogeneity in I-cell disease. Sucrose-loading test
 classifies two distinct subtypes
 AU Okada, Shintaro; Inui, Koji; Furukawa, Masumi; Midorikawa, Mitsuo;
 Nishimoto, Junji; Yabuuchi, Hyakuji; Kato, Tomochika; Watanabe, Mutsuko;
 Gasa, Shinsei; Makita, Akira
 CS Dep. Pediatr., Osaka Univ. Hosp., Osaka, Japan
 SO Enzyme (1987), 38(1-4), 267-72
 CODEN: ENZYBT; ISSN: 0013-9432
 DT Journal
 LA English

L3 ANSWER 25 OF 25 MEDLINE on STN DUPLICATE 11
 AN 85053513 MEDLINE
 DN PubMed ID: 6500714
 TI Identification and properties of distinct ***sucrose*** and glucose
 phosphotransferase enzyme ***II*** activities in Streptococcus
 mutans 6715g.
 AU Jacobson G R; Mimura C S; Scott P J; Thompson P W
 NC 1 R01 DE05966 (NIDCR)
 SO Infection and immunity, (1984 Dec) 46 (3) 854-6.
 Journal code: 0246127. ISSN: 0019-9567.
 CY United States
 DT Journal; Article; (JOURNAL ARTICLE)
 LA English
 FS Priority Journals
 EM 198412
 ED Entered STN: 19900320
 Last Updated on STN: 20000303
 Entered Medline: 19841231

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 L2 84 S L1 (5A) II
 L3 25 DUP REM L2 (59 DUPLICATES REMOVED)

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